Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/14/2019 11:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124253	-1	1.62	124304	1.6
Blue	F	SSC	125000	124353	-1	1.46	125208	1.45
Blue	E	FITC	16122	15637	-4	2.68	340	19.86
Blue	D	PE	29316	28744	-2	1.88	627	14
Blue	B	PerCP-Cy5-5	42590	42132	-2	3.51	1138	19.97
Blue	A	PE-Cy7	33146	32942	-1	5.87	628	39.75
Red	C	APC	45473	44806	-2	2.48	1585	12.09
Red	A	APC-Cy7	31961	30907	-4	2.45	822	11.65
Violet	B	V450	7914	7569	-5	4.33	436	12.73
Violet	A	V500	29769	28565	-5	4.05	665	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21306	3.06	603	3	N/A	N/A	Pass
Blue	F	SSC	56567	0.99	544	6	N/A	N/A	Pass
Blue	E	FITC	62	61.47	537	0	0.0199	82	Pass
Blue	D	PE	130	49.99	539	2	0.2092	381	Pass
Blue	B	PerCP-Cy5-5	208	48.7	641	3	0.0093	43	Pass
Blue	A	PE-Cy7	115	99.49	695	4	0.0115	16	Pass
Red	C	APC	376	25.5	584	5	0.0247	175	Pass
Red	A	APC-Cy7	182	28.29	560	4	0.0060	1177	Pass
Violet	B	V450	74	52.09	462	2	0.0561	2260	Pass
Violet	A	V500	102	32.29	474	2	0.0235	717	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.94	-31.81	1.01
Blue	20.35	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.52
Red	16.14	13.60 - 20.40	N/A	N/A	29.68	29.83	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11198

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments